

Lake District National Park

Forecast valid from 00:00 on Monday 09 Jan 2023 until 23:59 on Tuesday 10 Jan 2023

Forecast Issued on Sunday 08 Jan 2023 at 10:11

Confidence: High for unsettled and often windy conditions through the next few day with showers or longer spells of rain or snow.

Headline for Monday 09 Jan 2023: Showers, wintry on the tops. Windy with summit gales.

Mountain weather hazards on Monday 09 Jan 2023

Blizzards

Low Likelihood

Gales

Low Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

High Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Light snow showers (night)	Light snow showers (night)	Light snow showers (night)	Light snow showers	Light snow showers	Heavy snow	Light snow	Partly cloudy (night)
Precipitation probability							
30%	30%	30%	30%	30%	70%	60%	30%

Forecast for Monday 09 Jan 2023

Weather: Showers overnight, wintry on the tops. Bright spells in the morning with the odd passing shower, wintry above 500m. A cloudy afternoon with showers becoming more frequent and heavy with a chance of blizzard conditions on the high summits. A small chance of hail and thunder in the showers. Becoming mainly dry late evening.

Chance of cloud-free hill tops above 800m: 70% in morning, becoming 30% in afternoon.

Low cloud and visibility: Mainly good visibility between showers but becoming poor at times with blizzards on the high tops in the afternoon. Patchy cloud and fog above 500 or 600m, mainly over western fells and as showers pass through but becoming more persistent for a few hours in the afternoon.

Forecast for Monday 09 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	27/33 W	26/33 W	29/37 W	32/42 W	32/43 W	37/50 W	36/49 W	29/38 W	23/31 W
600	23/31 W	22/31 W	22/31 W	27/38 W	28/40 W	31/44 W	29/43 W	23/34 W	19/29 W
300	11/25 W	10/25 W	10/27 NW	13/32 W	13/32 W	15/37 W	15/37 W	12/29 W	10/24 W
Valley	11/24 W	11/24 W	11/27 W	13/28 W	15/31 W	17/36 W	15/33 W	11/25 W	13/25 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-0/-8	-1/-8	-1/-9	-1/-10	-2/-10	-1/-9	-0/-9	-1/-8	-1/-8
600	2/-4	1/-5	1/-5	1/-6	1/-7	1/-6	2/-6	2/-5	1/-5
300	4/0	4/-0	3/-0	3/-1	3/-1	4/-1	4/-1	4/-0	4/-0
Valley	6/3	6/3	6/2	6/2	6/2	6/2	6/2	6/3	6/3
Freezing Level*	900m	800m	800m	700m	700m	800m	900m	800m	800m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A cold and windy day up in the fells with wintry showers becoming more frequent in the afternoon.

Forecast for Tuesday 10 Jan 2023

Weather: Mainly dry overnight but rain, preceded by summit snow, will arrive by morning. The rain will continue through the day, often heavy with strong winds bringing drenching conditions. Rain clearing to showers around dusk, turning wintry above 800m later.

Maximum wind: South or Southwest 35 to 45mph with gusts 60mph.

Chance of cloud-free hill tops above 800m: Almost nil chance through the day, becoming 70% later.

Low cloud and visibility: Poor throughout the day with rain and extensive low cloud. Improving around dusk with cloud breaking up but still some temporary reductions in showers.

Temperature: **Valleys:** Plus 4C rising to 8 or 9C.

At 800m: 0C rising to 5C, falling to Plus 1C in evening.

Freezing level: 800m, rising above summits, falling to 900m in evening.

Ground Conditions Supplement

Date: Sunday 8 January, Location: Helvellyn summit at 13:40. Full report: Winter has returned to the Lake District fells with fresh snow settling down to 500m. Strong SW winds were redepositing this onto predominately N through E aspects where knee deep drifts were common and pockets of soft wind slab were developing. Cornices (snow overhangs) were building above the same aspects and will be unstable as they continue to grow in size. Be aware that they may not support your weight and it can be hard to identify where the solid ground ends. Please give them a wide berth and advise others with less experience to do likewise. Crampons and an ice axe are currently essential for anyone venturing on to steeper and more exposed terrain including the Helvellyn edges. They're also strongly recommended for anyone venturing above the snow line on even the easiest paths - or at least microspikes as a minimum. Navigation was tricky today with near whiteout conditions at times and goggles were essential. Mobile phones don't like these conditions with the cold shortening battery life and the necessity to remove gloves to operate them. The combination of map, compass and a stand alone GPS device are a proven system in conditions like these. Temperature: minus 1.8C, Maximum wind speed 30.8mph, Wind chill: minus 12.0C, Average wind speed: 23.0mph.

Issued at: 1011 on Sun 08 Jan 2023